

LANCASTER COUNTY  
CIVIL ENGINEER IV

NATURE OF WORK

This is responsible administrative and professional civil engineering work supervising a major engineering branch of the County Engineer's office.

Work involves responsibility for supervising multiple design and construction projects relating either to road or bridge design and construction. An employee in this class is expected to resolve problems of the highest technical nature. Supervision is exercised over professional engineers and subordinates engaged in survey, design, inspection and related engineering functions. Supervision is received from the County Engineer with work being reviewed in the form of reports, conferences and compliance with departmental goals and objectives.

EXAMPLES OF WORK PERFORMED

Plan, assign and coordinate all activities of a major engineering division relating to either road design/construction or bridge design/construction.

Assist in formulating, implementing and evaluating County Engineering Department program goals and objectives.

Supervise all major phases of highway planning or design, construction and inspection; review all construction work for progress estimates and final acceptance; coordinate with state project engineers and contractors for construction of all federally-aided road projects.

Coordinate with outside consultants to obtain necessary hydraulic and preliminary field surveys, hydraulic studies and preliminary bridge design in order to determine structure size and type; prepare preliminary bridge design and plans, specifications and contract proposals for construction; perform structural steel fabrication inspections; perform final inspection and acceptance for structural work.

Assist in the preparation of the departmental budget and monitor departmental expenditures.

DESIRABLE KNOWLEDGES, ABILITIES, AND SKILLS

Thorough knowledge of the principles and practices of professional civil and structural engineering.

Thorough knowledge of modern engineering practices and procedures as they relate to the design, construction and inspection of road and bridge construction projects.

Thorough knowledge of the goals, objectives and programs of the County Engineering department.

Thorough knowledge of computer systems and software related to engineering design and construction.

Ability to plan and direct the work of professional engineers, contractors and other engineering personnel.

Ability to apply engineering knowledge to specific administrative and technical problems.

Ability to prepare highly technical and complex engineering reports and estimates.

Ability to establish and maintain effective working relationships with governmental officials, associates, subordinates and the general public.

**DESIRABLE TRAINING AND EXPERIENCE**

Graduation from an accredited four year college or university with major course work in civil engineering; and thorough experience in the practice of civil engineering including considerable experience in a supervisory capacity.

**MINIMUM QUALIFICATIONS**

Registration as a professional engineer with the State of Nebraska plus considerable experience in the practice of civil engineering which includes some supervisory experience.

Approved by: \_\_\_\_\_  
Personnel Director

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Department Head

3/77  
Revised: 9/95

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